

STATION: 91377

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: AIR TEMPERATURE (DEGREES C) -- POR: (12/1990 - 8/1998) (53276 RECORDS, 84.5% HAVE ELEMENT)

| | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANN | | | |
|-------|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF |
| 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # | |
| 33 | - | - | 2 | # | 1 | # | - | - | - | - | 1 | # | - | - | 1 | # | - | - | 1 | # | - | - | 1 | # | - | - | 7 | # |
| 32 | - | - | 1 | 999 | - | - | - | - | - | - | - | - | - | - | 3 | 999 | 1 | # | 4 | 999 | 4 | # | - | - | - | - | 13 | 999 |
| 31 | 3 | # | 4 | 999 | 14 | 999 | 9 | # | 1 | # | 4 | 999 | 4 | # | 24 | 999 | 91 | 999 | 73 | 999 | 27 | 999 | 8 | 999 | 262 | 999 | | |
| 30 | 81 | 999 | 102 | 998 | 162 | 997 | 108 | 998 | 92 | 999 | 77 | 999 | 189 | 999 | 371 | 994 | 441 | 976 | 369 | 980 | 237 | 992 | 222 | 998 | 2451 | 995 | | |
| 29 | 494 | 982 | 635 | 976 | 776 | 965 | 682 | 976 | 743 | 981 | 781 | 982 | 908 | 958 | 934 | 907 | 1050 | 861 | 1035 | 885 | 806 | 928 | 751 | 947 | 9595 | 949 | | |
| 28 | 1615 | 879 | 1573 | 838 | 1671 | 813 | 1724 | 833 | 1966 | 827 | 1917 | 807 | 1841 | 761 | 1671 | 691 | 1309 | 587 | 1445 | 618 | 1399 | 710 | 1547 | 776 | 19678 | 769 | | |
| 27 | 1515 | 541 | 1433 | 495 | 1653 | 486 | 1553 | 474 | 1284 | 420 | 1081 | 378 | 1082 | 361 | 852 | 303 | 546 | 245 | 579 | 245 | 797 | 333 | 1333 | 424 | 13708 | 399 | | |
| 26 | 834 | 224 | 657 | 183 | 590 | 162 | 492 | 150 | 522 | 154 | 447 | 136 | 395 | 125 | 302 | 105 | 265 | 103 | 236 | 96 | 288 | 117 | 423 | 120 | 5451 | 142 | | |
| 25 | 201 | 50 | 126 | 40 | 191 | 46 | 199 | 47 | 188 | 46 | 130 | 36 | 151 | 40 | 122 | 35 | 94 | 33 | 116 | 35 | 114 | 40 | 92 | 24 | 1724 | 40 | | |
| 24 | 32 | 8 | 51 | 13 | 43 | 9 | 26 | 5 | 33 | 7 | 28 | 6 | 29 | 7 | 26 | 7 | 28 | 9 | 17 | 5 | 31 | 9 | 12 | 3 | 356 | 7 | | |
| 23 | 4 | 1 | 8 | 2 | 2 | 1 | - | - | - | - | - | - | 2 | * | 2 | 1 | 6 | 2 | 2 | 1 | 1 | 1 | - | - | 27 | 1 | | |
| 22 | - | - | - | - | - | - | - | - | - | - | 1 | * | - | - | 1 | * | - | - | - | - | 1 | * | - | - | - | 3 | * | |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * | |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * | |
| 19 | - | - | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | |
| 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * | |
| MEAN | 27.3 | | 27.4 | | 27.5 | | 27.5 | | 27.5 | | 27.6 | | 27.7 | | 27.9 | | 28.1 | | 28.1 | | 27.8 | | 27.7 | | 27.7 | | 27.7 | |
| S.D. | 1.1 | | 1.1 | | 1.1 | | 1.1 | | 1.1 | | 1.1 | | 1.1 | | 1.2 | | 1.3 | | 1.2 | | 1.2 | | 1.1 | | 1.2 | | 1.2 | |
| TOTAL | 4779 | | 4592 | | 5104 | | 4793 | | 4829 | | 4467 | | 4601 | | 4309 | | 3831 | | 3877 | | 3705 | | 4389 | | 53276 | | 53276 | |
| MAX | 30.9 | | 33.2 | | 33.2 | | 31.1 | | 30.9 | | 33.4 | | 30.8 | | 32.7 | | 31.8 | | 33.4 | | 32.2 | | 32.9 | | 33.4 | | 33.4 | |
| DATE | 1997010202 | | 1997022218 | | 1997030522 | | 1997040823 | | 1998051804 | | 1998061322 | | 1994072403 | | 1997082104 | | 1994091703 | | 1996102616 | | 1996110800 | | 1996120700 | | 1998061322 | | 1998061322 | |
| MIN | 23.0 | | 22.7 | | 18.9 | | 23.5 | | 23.5 | | 22.2 | | 22.7 | | 22.2 | | 23.1 | | 22.7 | | 22.0 | | 23.6 | | 18.9 | | 18.9 | |
| DATE | 1997011612 | | 1991022820 | | 1998032311 | | 1991041909 | | 1992052003 | | 1997060616 | | 1996072113 | | 1998080700 | | 1994092101 | | 1992100120 | | 1996112305 | | 1990122623 | | 1998032311 | | 1998032311 | |

(* < 0.05% , # = 100.0%)

STATION: 91377

1 - MONTHLY AND ANNUAL FREQUENCY AND CUMULATIVE PERCENT FREQUENCY (10THS)

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS) -- POR: (12/1990 - 8/1998) (54533 RECORDS, 86.5% HAVE ELEMENT)

| | JAN | | FEB | | MAR | | APR | | MAY | | JUN | | JUL | | AUG | | SEP | | OCT | | NOV | | DEC | | ANN | | |
|------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F | CPF | F |
| 1020 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | # |
| 1019 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | # | - | - | - | 7 | # |
| 1018 | 6 | # | 7 | # | 7 | # | 4 | # | - | - | 6 | # | - | - | - | - | 1 | # | - | - | 21 | 998 | - | - | 52 | 999 | |
| 1017 | 24 | 999 | 81 | 998 | 65 | 999 | 36 | 999 | 9 | # | 34 | 999 | 7 | # | 3 | # | 16 | 999 | - | - | 33 | 993 | - | - | 308 | 999 | |
| 1016 | 37 | 994 | 144 | 981 | 111 | 986 | 89 | 992 | 57 | 998 | 62 | 991 | 35 | 999 | 32 | 999 | 59 | 996 | 10 | # | 47 | 984 | 5 | # | 688 | 993 | |
| 1015 | 98 | 986 | 131 | 950 | 216 | 965 | 192 | 974 | 149 | 987 | 115 | 978 | 74 | 991 | 164 | 992 | 110 | 980 | 53 | 997 | 68 | 972 | 36 | 999 | 1406 | 981 | |
| 1014 | 184 | 967 | 162 | 922 | 333 | 923 | 256 | 934 | 378 | 957 | 247 | 953 | 221 | 976 | 376 | 955 | 234 | 952 | 165 | 984 | 135 | 954 | 153 | 991 | 2844 | 955 | |
| 1013 | 388 | 929 | 226 | 887 | 397 | 859 | 344 | 882 | 520 | 880 | 444 | 899 | 351 | 929 | 607 | 870 | 397 | 892 | 353 | 942 | 209 | 918 | 304 | 957 | 4540 | 903 | |
| 1012 | 552 | 851 | 389 | 839 | 590 | 782 | 516 | 812 | 786 | 775 | 706 | 802 | 657 | 855 | 704 | 732 | 557 | 790 | 475 | 853 | 380 | 863 | 343 | 889 | 6655 | 819 | |
| 1011 | 742 | 739 | 601 | 755 | 745 | 668 | 796 | 707 | 847 | 617 | 886 | 649 | 931 | 717 | 813 | 573 | 631 | 647 | 635 | 733 | 504 | 763 | 309 | 813 | 8440 | 697 | |
| 1010 | 778 | 588 | 820 | 626 | 812 | 524 | 924 | 544 | 814 | 445 | 740 | 456 | 978 | 521 | 675 | 389 | 613 | 485 | 602 | 573 | 644 | 631 | 483 | 744 | 8883 | 543 | |
| 1009 | 699 | 430 | 923 | 450 | 815 | 367 | 799 | 356 | 649 | 281 | 547 | 295 | 836 | 315 | 530 | 236 | 534 | 328 | 531 | 420 | 595 | 461 | 691 | 637 | 8149 | 380 | |
| 1008 | 579 | 289 | 680 | 252 | 571 | 210 | 575 | 193 | 437 | 150 | 371 | 176 | 487 | 139 | 314 | 116 | 378 | 191 | 482 | 286 | 452 | 304 | 710 | 483 | 6036 | 230 | |
| 1007 | 364 | 171 | 384 | 106 | 320 | 100 | 253 | 75 | 219 | 62 | 298 | 95 | 152 | 37 | 144 | 45 | 239 | 94 | 342 | 164 | 321 | 186 | 690 | 325 | 3726 | 120 | |
| 1006 | 233 | 97 | 99 | 24 | 134 | 38 | 102 | 24 | 75 | 18 | 124 | 30 | 22 | 5 | 50 | 13 | 98 | 33 | 206 | 78 | 219 | 101 | 445 | 172 | 1807 | 51 | |
| 1005 | 122 | 50 | 12 | 3 | 49 | 12 | 14 | 3 | 12 | 2 | 16 | 3 | - | - | 6 | 1 | 27 | 7 | 85 | 26 | 106 | 43 | 234 | 73 | 683 | 18 | |
| 1004 | 60 | 25 | 1 | * | 12 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 17 | 4 | 43 | 16 | 72 | 20 | 207 | 6 | |
| 1003 | 19 | 13 | - | - | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 | 4 | 16 | 4 | 49 | 2 | |
| 1002 | 12 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 3 | 1 | 18 | 1 | |
| 1001 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * | 9 | 1 | |
| 1000 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | * |
| 999 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * |
| 998 | 1 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 997 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 996 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | * |
| 995 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 994 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | * |
| 993 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 992 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * |
| 991 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 990 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| 989 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | * |
| 988 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0 | * |
| 987 | 1 | * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | * |
| MEAN | 1009.8 | | 1010.2 | | 1010.5 | | 1010.5 | | 1010.8 | | 1010.6 | | 1010.5 | | 1011.0 | | 1010.6 | | 1009.9 | | 1009.8 | | 1008.9 | | 1010.3 | | 1010.3 |
| S.D. | 2.8 | | 2.4 | | 2.5 | | 2.3 | | 2.1 | | 2.3 | | 1.9 | | 2.1 | | 2.3 | | 2.3 | | 2.6 | | 2.5 | | 2.4 | | 2.4 |

| | # OBS | 742 | 672 | 740 | 715 | 740 | 709 | 740 | 741 | 717 | 741 | 719 | 744 | 8720 |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1992 | MEAN | 26.5 | 26.9 | 27.2 | 27.6 | 27.4 | 27.5 | 27.6 | 27.8 | 28.3 | 28.2 | 27.7 | 27.7 | 27.5 |
| | MAXIMUM | 29.3 | 29.5 | 29.5 | 30.2 | 29.7 | 29.8 | 30.3 | 30.8 | 31.1 | 31.5 | 30.9 | 30.2 | 31.5 |
| | DAY-HR | 12-01 | 04-02 | 23-03 | 26-01 | 11-03 | 06-03 | 07-01 | 29-02 | 08-01 | 17-01 | 06-00 | 01-01 | OCT |
| | MINIMUM | 23.9 | 24.0 | 24.9 | 24.5 | 23.5 | 23.7 | 23.6 | 23.7 | 23.1 | 22.7 | 23.6 | 24.8 | 22.7 |
| | DAY-HR | 02-15 | 18-10 | 10-19 | 13-01 | 20-03 | 25-19 | 02-15 | 04-21 | 24-19 | 01-20 | 06-18 | 30-05 | OCT |
| | # OBS | 739 | 689 | 738 | 714 | 739 | 715 | 736 | 728 | 710 | 738 | 713 | 735 | 8694 |
| 1993 | MEAN | 26.8 | 26.5 | 26.8 | 27.0 | 27.3 | 27.7 | 27.5 | 27.9 | 28.4 | 28.1 | 27.9 | 27.9 | 27.5 |
| | MAXIMUM | 29.2 | 29.2 | 29.2 | 29.3 | 29.4 | 29.9 | 30.0 | 30.6 | 31.0 | 30.8 | 30.8 | 30.7 | 31.0 |
| | DAY-HR | 04-01 | 13-02 | 20-01 | 26-00 | 12-03 | 17-01 | 02-03 | 11-04 | 28-00 | 28-00 | 04-01 | 09-01 | SEP |
| | MINIMUM | 23.8 | 23.3 | 23.4 | 23.6 | 23.6 | 23.9 | 23.1 | 24.1 | 24.2 | 24.3 | 24.1 | 24.6 | 23.1 |
| | DAY-HR | 21-23 | 27-16 | 08-00 | 29-19 | 02-03 | 10-19 | 09-16 | 26-22 | 11-19 | 14-20 | 11-04 | 05-20 | JUL |
| | # OBS | 734 | 636 | 733 | 707 | 685 | 717 | 731 | 716 | 678 | 739 | 716 | 741 | 8533 |
| 1994 | MEAN | 27.4 | 27.2 | 27.1 | 27.3 | 27.1 | 27.3 | 27.8 | 28.4 | 28.2 | 28.2 | 28.4 | 27.5 | 27.5 |
| | MAXIMUM | 29.4 | 29.2 | 29.7 | 29.4 | 29.4 | 29.8 | 30.8 | 31.6 | 31.8 | 31.0 | 31.6 | 30.0 | 31.8 |
| | DAY-HR | 20-00 | 15-00 | 21-03 | 13-03 | 30-01 | 24-00 | 24-03 | 23-02 | 17-03 | 26-02 | 14-02 | 09-02 | SEP |
| | MINIMUM | 23.8 | 22.9 | 23.7 | 24.1 | 24.1 | 23.6 | 24.3 | 24.9 | 23.1 | 24.3 | 25.4 | 24.0 | 22.9 |
| | DAY-HR | 25-10 | 01-08 | 28-08 | 18-17 | 11-08 | 27-18 | 24-20 | 03-04 | 21-01 | 17-21 | 30-19 | 19-07 | FEB |
| | # OBS | 741 | 651 | 739 | 715 | 736 | 713 | 687 | 334 | 373 | 332 | 256 | 334 | 6611 |
| 1995 | MEAN | 27.7 | 27.8 | 28.0 | 27.6 | 28.0 | 27.7 | 27.6 | 27.9 | 28.0 | 28.2 | 27.7 | 27.9 | 27.8 |
| | MAXIMUM | 30.2 | 30.4 | 30.7 | 30.7 | 30.4 | 29.9 | 30.6 | 30.6 | 30.4 | 31.4 | 30.1 | 30.4 | 31.4 |
| | DAY-HR | 24-02 | 19-01 | 19-02 | 10-02 | 27-02 | 05-00 | 25-00 | 16-23 | 24-00 | 05-01 | 29-02 | 11-00 | OCT |
| | MINIMUM | 24.1 | 24.6 | 24.5 | 24.4 | 24.4 | 23.7 | 24.3 | 24.3 | 24.5 | 23.7 | 24.0 | 25.0 | 23.7 |
| | DAY-HR | 27-02 | 13-01 | 15-13 | 26-15 | 08-13 | 26-15 | 29-14 | 10-11 | 28-22 | 10-23 | 03-17 | 03-18 | OCT |
| | # OBS | 481 | 664 | 735 | 711 | 598 | 439 | 429 | 454 | 492 | 470 | 485 | 499 | 6457 |
| 1996 | MEAN | 27.7 | 27.4 | 27.9 | 27.5 | 27.6 | 27.5 | 27.7 | 28.1 | 28.1 | 28.3 | 28.3 | 28.3 | 27.9 |
| | MAXIMUM | 30.4 | 30.1 | 30.1 | 29.6 | 29.6 | 30.6 | 29.9 | 32.4 | 31.4 | 33.4 | 32.2 | 32.9 | 33.4 |
| | DAY-HR | 28-04 | 18-00 | 14-02 | 10-00 | 26-02 | 04-10 | 26-00 | 31-00 | 27-01 | 26-16 | 08-00 | 07-00 | OCT |
| | MINIMUM | 23.2 | 24.5 | 24.5 | 24.5 | 24.8 | 24.3 | 22.7 | 23.5 | 23.7 | 24.3 | 22.0 | 24.0 | 22.0 |
| | DAY-HR | 02-20 | 09-01 | 02-01 | 25-20 | 19-16 | 28-14 | 21-13 | 12-03 | 07-08 | 03-18 | 23-05 | 07-04 | NOV |
| | # OBS | 495 | 461 | 518 | 446 | 574 | 481 | 531 | 519 | 458 | 443 | 415 | 412 | 5753 |
| 1997 | MEAN | 27.9 | 28.2 | 28.5 | 28.0 | 27.5 | 27.8 | 28.2 | 27.6 | 27.7 | 27.4 | 27.8 | 27.4 | 27.8 |
| | MAXIMUM | 30.9 | 33.2 | 33.2 | 31.1 | 30.1 | 31.4 | 30.6 | 32.7 | 30.6 | 31.6 | 30.4 | 30.4 | 33.2 |
| | DAY-HR | 02-02 | 22-18 | 05-22 | 08-23 | 28-02 | 14-23 | 30-01 | 21-04 | 26-02 | 15-23 | 01-02 | 08-02 | MAR |
| | MINIMUM | 23.0 | 24.3 | 24.5 | 24.3 | 24.3 | 22.2 | 25.0 | 24.0 | 24.3 | 24.3 | 23.0 | 24.8 | 22.2 |
| | DAY-HR | 16-12 | 01-02 | 14-18 | 02-05 | 19-17 | 06-16 | 15-17 | 13-02 | 22-19 | 28-03 | 26-15 | 27-05 | JUN |
| | # OBS | 412 | 410 | 466 | 382 | 396 | 330 | 379 | 410 | 403 | 414 | 401 | 439 | 4842 |
| 1998 | MEAN | 27.2 | 27.8 | 28.0 | 27.9 | 28.1 | 28.1 | 27.9 | 28.0 | - | - | - | - | 27.9 |
| | MAXIMUM | 29.6 | 30.6 | 30.1 | 29.6 | 30.9 | 33.4 | 29.9 | 30.6 | - | - | - | - | 33.4 |
| | DAY-HR | 27-01 | 12-00 | 15-01 | 26-01 | 18-04 | 13-22 | 30-02 | 05-04 | - | - | - | - | JUN |
| | MINIMUM | 24.0 | 25.0 | 18.9 | 25.5 | 25.8 | 24.3 | 22.2 | 24.5 | - | - | - | - | 18.9 |
| | DAY-HR | 27-13 | 04-03 | 23-11 | 27-16 | 19-15 | 21-01 | 25-06 | 07-00 | - | - | - | - | MAR |
| | # OBS | 435 | 409 | 435 | 403 | 361 | 363 | 368 | 407 | - | - | - | - | 3181 |
| POR | MEAN | 27.3 | 27.4 | 27.5 | 27.5 | 27.5 | 27.6 | 27.7 | 27.9 | 28.1 | 28.1 | 27.8 | 27.7 | 27.7 |
| | MAXIMUM | 30.9 | 33.2 | 33.2 | 31.1 | 30.9 | 33.4 | 30.8 | 32.7 | 31.8 | 33.4 | 32.2 | 32.9 | 33.4 |
| | YEAR | 1997 | 1997 | 1997 | 1997 | 1998 | 1998 | 1994 | 1997 | 1994 | 1996 | 1996 | 1996 | JUN/1998 |
| | MINIMUM | 23.0 | 22.7 | 18.9 | 23.5 | 23.5 | 22.2 | 22.7 | 22.2 | 23.1 | 22.7 | 22.0 | 23.6 | 18.9 |
| | YEAR | 1997 | 1991 | 1998 | 1991 | 1992 | 1997 | 1996 | 1998 | 1994 | 1992 | 1996 | 1990 | MAR/1998 |
| | # OBS | 4779 | 4592 | 5104 | 4793 | 4829 | 4467 | 4601 | 4309 | 3831 | 3877 | 3705 | 4389 | 53276 |

STATION: 91377 -- POR (12/1990 - 8/1998)

2 - MEANS & EXTREMES BASED ON HOURLY (GMT) OBSERVATIONS -- MONTHLY & ANNUAL BY YEAR

ELEMENT: SEA LEVEL PRESSURE (MILLIBARS)

| YEAR | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1990 | MEAN | - | - | - | - | - | - | - | - | - | - | - | 1006.4 | 1006.4 |
| | MAXIMUM | - | - | - | - | - | - | - | - | - | - | - | 1010.0 | 1010.0 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 27-22 | DEC |
| | MINIMUM | - | - | - | - | - | - | - | - | - | - | - | 1001.4 | 1001.4 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 14-03 | DEC |
| | # OBS | - | - | - | - | - | - | - | - | - | - | - | 485 | 485 |
| 1991 | MEAN | 1007.7 | 1008.0 | 1008.5 | 1008.4 | 1009.4 | 1009.4 | 1009.2 | 1008.7 | 1008.8 | 1008.3 | 1007.5 | 1007.6 | 1008.5 |
| | MAXIMUM | 1012.2 | 1011.4 | 1013.0 | 1012.4 | 1015.1 | 1013.6 | 1012.4 | 1012.4 | 1013.8 | 1012.9 | 1011.5 | 1011.0 | 1015.1 |
| | DAY-HR | 17-22 | 08-10 | 27-22 | 01-23 | 17-21 | 20-21 | 09-21 | 18-22 | 11-10 | 07-11 | 06-10 | 05-10 | MAY |
| | MINIMUM | 1003.2 | 1004.4 | 1004.1 | 1005.0 | 1005.7 | 1005.0 | 1005.5 | 1005.2 | 1004.3 | 1004.0 | 1001.9 | 1003.7 | 1001.9 |
| | DAY-HR | 27-05 | 23-04 | 09-04 | 17-04 | 24-05 | 06-03 | 14-05 | 23-04 | 23-04 | 20-03 | 28-03 | 31-03 | NOV |
| | # OBS | 742 | 672 | 740 | 714 | 740 | 709 | 739 | 740 | 717 | 742 | 719 | 744 | 8718 |
| 1992 | MEAN | 1009.3 | 1009.6 | 1010.3 | 1009.2 | 1008.9 | 1008.2 | 1009.2 | 1009.6 | 1008.6 | 1007.5 | 1008.0 | 1007.1 | 1008.8 |

| | | | | | | | | | | | | | | |
|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | MAXIMUM | 1015.2 | 1013.8 | 1014.5 | 1012.4 | 1012.3 | 1012.5 | 1013.3 | 1012.9 | 1012.3 | 1011.7 | 1012.6 | 1010.6 | 1015.2 |
| | DAY-HR | 24-21 | 01-10 | 16-22 | 24-10 | 26-23 | 30-23 | 01-11 | 31-23 | 01-00 | 01-21 | 27-22 | 10-10 | JAN |
| | MINIMUM | 987.2 | 1006.2 | 1006.3 | 1004.9 | 1004.9 | 1005.1 | 1005.9 | 1006.5 | 1004.6 | 1003.5 | 1002.3 | 1003.0 | 987.2 |
| | DAY-HR | 07-03 | 25-04 | 02-04 | 04-04 | 07-04 | 24-16 | 18-04 | 29-05 | 27-03 | 30-03 | 15-04 | 26-03 | JAN |
| | # OBS | 739 | 690 | 737 | 711 | 736 | 715 | 735 | 725 | 708 | 738 | 713 | 741 | 8688 |
| 1993 | MEAN | 1008.1 | 1008.8 | 1009.2 | 1009.0 | 1009.7 | 1009.8 | 1009.3 | 1010.9 | 1010.8 | 1009.9 | 1009.6 | 1008.8 | 1009.5 |
| | MAXIMUM | 1012.2 | 1013.0 | 1014.1 | 1012.1 | 1013.4 | 1013.6 | 1012.3 | 1014.5 | 1015.1 | 1014.1 | 1013.1 | 1014.2 | 1015.1 |
| | DAY-HR | 29-22 | 27-22 | 22-11 | 11-21 | 24-21 | 26-22 | 21-11 | 31-22 | 05-11 | 06-21 | 03-21 | 31-22 | SEP |
| | MINIMUM | 1003.3 | 1005.2 | 1003.0 | 1005.5 | 1006.2 | 1005.4 | 1005.6 | 1006.2 | 1007.2 | 1006.0 | 1005.8 | 1004.7 | 1003.0 |
| | DAY-HR | 02-03 | 15-04 | 10-05 | 06-05 | 06-04 | 05-05 | 29-04 | 02-05 | 29-04 | 22-03 | 09-04 | 07-04 | MAR |
| | # OBS | 733 | 634 | 730 | 705 | 684 | 716 | 730 | 714 | 677 | 739 | 716 | 741 | 8519 |
| 1994 | MEAN | 1009.5 | 1009.6 | 1010.6 | 1010.7 | 1011.0 | 1010.6 | 1010.3 | 1010.7 | 1011.5 | 1011.3 | 1009.9 | 1009.5 | 1010.4 |
| | MAXIMUM | 1013.2 | 1015.3 | 1015.2 | 1014.3 | 1014.8 | 1014.1 | 1014.2 | 1015.2 | 1016.5 | 1015.4 | 1013.1 | 1015.3 | 1016.5 |
| | DAY-HR | 31-22 | 28-22 | 28-21 | 25-22 | 17-22 | 12-11 | 18-10 | 06-11 | 22-11 | 17-21 | 01-09 | 27-21 | SEP |
| | MINIMUM | 1005.5 | 1005.6 | 1005.4 | 1007.0 | 1007.1 | 1007.7 | 1006.8 | 1006.9 | 1007.1 | 1007.4 | 1004.4 | 1003.6 | 1003.6 |
| | DAY-HR | 20-04 | 11-05 | 20-04 | 18-04 | 09-04 | 04-04 | 08-06 | 14-05 | 14-04 | 15-16 | 13-03 | 17-15 | DEC |
| | # OBS | 740 | 649 | 739 | 715 | 737 | 712 | 682 | 295 | 341 | 292 | 221 | 309 | 6432 |
| 1995 | MEAN | 1010.7 | 1011.5 | 1011.0 | 1010.5 | 1011.6 | 1012.0 | 1011.6 | 1011.7 | 1012.1 | 1011.4 | 1011.1 | 1011.6 | 1011.4 |
| | MAXIMUM | 1014.7 | 1014.7 | 1015.4 | 1014.2 | 1014.8 | 1015.9 | 1015.1 | 1016.1 | 1015.9 | 1015.5 | 1015.1 | 1014.7 | 1016.1 |
| | DAY-HR | 05-21 | 07-22 | 18-11 | 15-22 | 05-21 | 19-21 | 29-23 | 10-11 | 10-21 | 10-20 | 05-21 | 30-21 | AUG |
| | MINIMUM | 1007.1 | 1006.9 | 1005.8 | 1007.2 | 1008.2 | 1008.8 | 1008.8 | 1007.9 | 1007.3 | 1007.5 | 1006.3 | 1005.8 | 1005.8 |
| | DAY-HR | 13-04 | 28-17 | 01-16 | 06-03 | 10-03 | 16-04 | 27-03 | 26-03 | 19-05 | 21-03 | 21-04 | 04-01 | MAR |
| | # OBS | 474 | 664 | 735 | 710 | 599 | 444 | 434 | 457 | 495 | 474 | 494 | 499 | 6479 |
| 1996 | MEAN | 1010.2 | 1010.2 | 1011.0 | 1011.7 | 1012.9 | 1012.4 | 1011.6 | 1012.8 | 1011.3 | 1011.2 | 1010.7 | 1009.2 | 1011.3 |
| | MAXIMUM | 1014.1 | 1013.1 | 1018.0 | 1015.9 | 1017.1 | 1018.0 | 1015.1 | 1015.9 | 1016.1 | 1015.5 | 1015.1 | 1013.7 | 1018.0 |
| | DAY-HR | 14-20 | 06-11 | 11-20 | 12-20 | 15-11 | 28-12 | 01-21 | 02-21 | 25-19 | 10-20 | 13-23 | 01-20 | JUN |
| | MINIMUM | 1006.5 | 1006.7 | 1006.9 | 1007.7 | 1008.6 | 1008.5 | 1008.8 | 1009.0 | 1006.5 | 1007.9 | 1005.5 | 1004.9 | 1004.9 |
| | DAY-HR | 25-16 | 15-02 | 29-02 | 01-04 | 03-03 | 13-15 | 06-04 | 28-04 | 09-04 | 31-03 | 02-04 | 13-04 | DEC |
| | # OBS | 498 | 460 | 517 | 447 | 573 | 481 | 535 | 520 | 462 | 471 | 470 | 457 | 5891 |
| 1997 | MEAN | 1011.4 | 1009.7 | 1010.5 | 1011.8 | 1011.3 | 1012.7 | 1011.6 | 1012.4 | 1012.7 | 1012.5 | 1013.9 | 1012.1 | 1011.9 |
| | MAXIMUM | 1014.9 | 1012.8 | 1016.9 | 1015.9 | 1016.1 | 1018.2 | 1014.7 | 1015.9 | 1017.6 | 1016.1 | 1019.2 | 1016.1 | 1019.2 |
| | DAY-HR | 23-23 | 02-20 | 21-20 | 16-23 | 28-20 | 02-20 | 31-20 | 28-20 | 24-11 | 02-23 | 09-20 | 14-20 | NOV |
| | MINIMUM | 1008.6 | 1006.7 | 1005.1 | 1007.5 | 1007.7 | 1008.8 | 1008.8 | 1009.0 | 1005.9 | 1008.1 | 1009.8 | 1004.9 | 1004.9 |
| | DAY-HR | 13-04 | 28-04 | 13-03 | 07-04 | 04-04 | 24-14 | 20-04 | 15-04 | 11-03 | 26-03 | 17-03 | 10-01 | DEC |
| | # OBS | 506 | 432 | 493 | 448 | 472 | 397 | 457 | 492 | 496 | 500 | 467 | 519 | 5679 |
| 1998 | MEAN | 1013.7 | 1015.3 | 1014.5 | 1014.7 | 1013.2 | 1012.9 | 1013.4 | 1013.1 | - | - | - | - | 1013.9 |
| | MAXIMUM | 1018.4 | 1017.8 | 1017.8 | 1018.0 | 1017.3 | 1015.7 | 1017.3 | 1016.9 | - | - | - | - | 1018.4 |
| | DAY-HR | 30-11 | 21-20 | 27-19 | 26-23 | 30-11 | 13-08 | 03-20 | 31-20 | - | - | - | - | JAN |
| | MINIMUM | 1010.6 | 1011.2 | 1010.4 | 1012.2 | 1009.8 | 1009.2 | 1010.4 | 1010.2 | - | - | - | - | 1009.2 |
| | DAY-HR | 18-03 | 28-05 | 01-05 | 22-04 | 14-04 | 21-15 | 23-04 | 16-03 | - | - | - | - | JUN |
| | # OBS | 499 | 459 | 487 | 450 | 411 | 422 | 439 | 475 | - | - | - | - | 3642 |
| POR | MEAN | 1009.8 | 1010.2 | 1010.5 | 1010.5 | 1010.8 | 1010.6 | 1010.5 | 1011.0 | 1010.6 | 1009.9 | 1009.8 | 1008.9 | 1010.3 |
| | MAXIMUM | 1018.4 | 1017.8 | 1018.0 | 1018.0 | 1017.3 | 1018.2 | 1017.3 | 1016.9 | 1017.6 | 1016.1 | 1019.2 | 1016.1 | 1019.2 |
| | YEAR | 1998 | 1998 | 1996 | 1998 | 1998 | 1997 | 1998 | 1998 | 1997 | 1997 | 1997 | 1997 | NOV/1997 |
| | MINIMUM | 987.2 | 1004.4 | 1003.0 | 1004.9 | 1004.9 | 1005.0 | 1005.5 | 1005.2 | 1004.3 | 1003.5 | 1001.9 | 1001.4 | 987.2 |
| | YEAR | 1992 | 1991 | 1993 | 1992 | 1992 | 1991 | 1991 | 1991 | 1991 | 1992 | 1991 | 1990 | JAN/1992 |
| | # OBS | 4931 | 4660 | 5178 | 4900 | 4952 | 4596 | 4751 | 4418 | 3896 | 3956 | 3800 | 4495 | 54533 |

STATION: 91377 -- POR (12/1990 - 7/1997)

2 - MEANS & EXTREMES BASED ON HOURLY (GMT) OBSERVATIONS -- MONTHLY & ANNUAL BY YEAR

ELEMENT: AVERAGE WIND SPEED (KNOTS)

| YEAR | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1990 | MEAN | - | - | - | - | - | - | - | - | - | - | - | 9.4 | 9.4 |
| | MAXIMUM | - | - | - | - | - | - | - | - | - | - | - | 33.0 | 33.0 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 14-14 | DEC |
| | MINIMUM | - | - | - | - | - | - | - | - | - | - | - | 0.2 | 0.2 |
| | DAY-HR | - | - | - | - | - | - | - | - | - | - | - | 31-12 | DEC |
| | # OBS | - | - | - | - | - | - | - | - | - | - | - | 485 | 485 |
| 1991 | MEAN | 10.9 | 10.2 | 11.1 | 9.7 | 9.6 | 7.6 | 6.2 | 5.0 | 5.9 | 4.7 | 7.1 | 7.6 | 8.0 |
| | MAXIMUM | 26.8 | 22.6 | 27.6 | 26.0 | 28.2 | 21.8 | 21.8 | 21.0 | 25.1 | 27.8 | 22.0 | 21.8 | 28.2 |
| | DAY-HR | 20-20 | 13-00 | 31-14 | 01-12 | 30-01 | 05-22 | 11-09 | 09-20 | 22-14 | 27-22 | 17-21 | 29-23 | MAY |
| | MINIMUM | 2.1 | 1.7 | 0.4 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DAY-HR | 01-02 | 14-17 | 19-18 | 29-08 | 25-01 | 24-14 | 28-14 | 31-03 | 19-18 | 24-12 | 14-06 | 04-16 | DEC |
| | # OBS | 742 | 672 | 741 | 716 | 739 | 711 | 742 | 740 | 717 | 742 | 719 | 744 | 8725 |
| 1992 | MEAN | 10.5 | 8.8 | 9.3 | 8.1 | 10.0 | 9.6 | 5.7 | 5.2 | - | - | - | - | 8.5 |
| | MAXIMUM | 42.8 | 16.9 | 22.2 | 27.0 | 24.9 | 24.5 | 20.8 | 24.3 | - | - | - | - | 42.8 |
| | DAY-HR | 07-08 | 24-13 | 29-21 | 13-00 | 03-20 | 12-20 | 14-02 | 21-20 | - | - | - | - | JAN |
| | MINIMUM | 1.6 | 2.5 | 4.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | 0.0 |

| | # OBS | 270 | 664 | 735 | 604 | - | - | - | - | - | - | - | - | 2273 |
|----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| POR MEAN | | 14.2 | 13.5 | 14.0 | 12.9 | 12.5 | 10.6 | 8.6 | 6.9 | 7.4 | 7.6 | 8.5 | 11.9 | 11.0 |
| MAXIMUM | | 50.7 | 28.6 | 32.3 | 32.7 | 35.6 | 32.1 | 30.9 | 27.6 | 33.0 | 38.9 | 25.5 | 37.5 | 50.7 |
| YEAR | | 1992 | 1994 | 1991 | 1994 | 1991 | 1992 | 1993 | 1992 | 1994 | 1994 | 1991 | 1990 | JAN/1992 |
| # OBS | | 2491 | 2676 | 2947 | 2738 | 2511 | 2847 | 2845 | 2353 | 1702 | 1730 | 1615 | 2038 | 28493 |

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JAN

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N | |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | | |
| 0 | 1.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.7 | 59 |
| 1 - 3 | | 0.7 | 0.3 | 0.2 | 2.1 | 0.2 | 0.1 | - | - | - | * | 0.1 | 0.5 | 4.3 | 148 | |
| 4 - 6 | | 3.4 | 4.4 | 1.7 | 4.7 | 0.2 | 0.2 | - | - | 0.1 | 0.2 | 0.2 | 0.5 | 15.7 | 543 | |
| 7 - 10 | | 5.2 | 20.9 | 4.7 | 4.0 | 0.8 | 0.3 | * | - | - | - | 0.1 | 0.3 | 36.3 | 1256 | |
| 11 - 15 | | 0.8 | 17.8 | 9.6 | 3.6 | 0.3 | 0.1 | - | - | - | - | - | 0.2 | 32.4 | 1121 | |
| 16 - 20 | | 0.1 | 1.6 | 4.3 | 1.4 | 0.3 | * | - | - | - | - | * | 0.2 | 7.8 | 270 | |
| 21 - 24 | | 0.1 | - | 0.2 | 0.4 | 0.1 | - | - | - | * | - | - | * | 0.8 | 29 | |
| 25 - 33 | | - | 0.1 | 0.1 | - | 0.2 | - | - | - | - | - | * | - | 0.4 | 13 | |
| 34 - 47 | | - | 0.1 | * | 0.1 | 0.1 | - | - | - | - | - | - | - | 0.3 | 9 | |
| > 48 | | * | - | - | 0.2 | * | 0.1 | - | - | - | - | - | * | 0.3 | 12 | |
| TOTAL % | 1.7 | 10.2 | 45.1 | 20.9 | 16.5 | 2.1 | 0.8 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 1.7 | 100.0 | | |
| TOTAL N | 59 | 353 | 1562 | 723 | 571 | 73 | 29 | 1 | 0 | 4 | 7 | 18 | 60 | | 3460 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: FEB

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N | |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | | |
| 0 | 0.9 | - | * | - | - | - | - | - | - | - | - | - | - | - | 0.9 | 31 |
| 1 - 3 | | 0.5 | 0.3 | 0.4 | 1.1 | 0.1 | * | * | 0.1 | * | 0.1 | * | 0.1 | 2.7 | 90 | |
| 4 - 6 | | 3.4 | 5.0 | 1.4 | 3.6 | 0.4 | 0.1 | * | 0.1 | * | - | - | 0.1 | 14.2 | 478 | |
| 7 - 10 | | 10.9 | 24.8 | 5.1 | 4.5 | 0.6 | 0.1 | - | * | 0.1 | - | - | 0.1 | 46.1 | 1556 | |
| 11 - 15 | | 1.7 | 15.2 | 9.7 | 4.4 | 0.4 | 0.1 | - | * | - | - | - | - | 31.5 | 1061 | |
| 16 - 20 | | - | 0.6 | 2.3 | 1.0 | 0.1 | 0.1 | - | - | - | - | - | - | 4.1 | 137 | |
| 21 - 24 | | - | - | 0.3 | * | - | - | - | - | - | - | - | - | 0.4 | 12 | |
| 25 - 33 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 | |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 | |
| > 48 | | - | * | - | 0.1 | * | - | - | - | - | - | - | * | 0.2 | 8 | |
| TOTAL % | 0.9 | 16.4 | 45.9 | 19.1 | 14.8 | 1.7 | 0.4 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.4 | 100.0 | | |
| TOTAL N | 30 | 553 | 1549 | 645 | 498 | 56 | 12 | 2 | 7 | 4 | 2 | 1 | 14 | | 3373 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: MAR

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N | |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | | |
| 0 | 1.8 | - | - | - | - | - | * | - | - | - | - | - | - | - | 1.9 | 70 |
| 1 - 3 | | 0.7 | 0.8 | 0.3 | 1.2 | 1.1 | 0.1 | 0.1 | 0.1 | 0.1 | * | 0.1 | 0.3 | 4.8 | 179 | |
| 4 - 6 | | 2.2 | 4.8 | 1.5 | 1.6 | 1.0 | 0.1 | 0.1 | 0.1 | 0.1 | * | * | 0.3 | 11.9 | 449 | |
| 7 - 10 | | 4.1 | 24.3 | 4.8 | 3.3 | 0.7 | 0.2 | 0.1 | 0.1 | 0.1 | * | * | * | 37.6 | 1416 | |
| 11 - 15 | | 0.3 | 16.4 | 11.3 | 3.3 | 1.0 | 0.1 | 0.1 | - | - | - | - | - | 32.5 | 1223 | |
| 16 - 20 | | * | 1.2 | 5.8 | 2.1 | 0.8 | 0.1 | 0.1 | - | - | - | - | - | 10.1 | 380 | |
| 21 - 24 | | - | - | 0.5 | 0.2 | 0.1 | * | - | - | - | - | - | - | 0.8 | 31 | |
| 25 - 33 | | - | - | 0.1 | 0.1 | - | - | * | - | - | - | - | - | 0.1 | 5 | |
| 34 - 47 | | - | - | * | - | - | - | - | - | - | - | - | - | 0.0 | 1 | |
| > 48 | | * | * | - | 0.1 | 0.1 | - | - | - | 0.1 | - | * | - | 0.3 | 10 | |
| TOTAL % | 1.8 | 7.3 | 47.6 | 24.3 | 11.9 | 4.6 | 0.6 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.7 | 100.0 | | |
| TOTAL N | 69 | 273 | 1790 | 915 | 447 | 174 | 23 | 19 | 10 | 10 | 3 | 5 | 26 | | 3764 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: APR

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 0.7 | - | - | - | - | * | - | - | - | - | - | - | - | 0.7 | 23 |
| 1 - 3 | | 1.2 | 1.2 | 0.4 | 0.6 | 0.4 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 4.7 | 152 |
| 4 - 6 | | 4.0 | 8.9 | 2.1 | 1.1 | 0.5 | 0.2 | 0.1 | * | * | 0.2 | 0.2 | 0.1 | 17.4 | 559 |

| | | | | | | | | | | | | | | |
|---------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| 7 - 10 | 2.1 | 23.6 | 6.8 | 2.0 | 1.0 | 0.1 | 0.1 | * | 0.1 | 0.1 | 0.1 | - | 35.9 | 1151 |
| 11 - 15 | 0.2 | 11.1 | 14.9 | 3.4 | 0.6 | 0.1 | 0.1 | - | - | * | 0.1 | - | 30.5 | 979 |
| 16 - 20 | - | 1.0 | 6.1 | 1.6 | 0.3 | - | 0.1 | - | - | - | - | - | 9.0 | 290 |
| 21 - 24 | - | - | 0.9 | 0.4 | * | - | - | - | - | - | - | - | 1.3 | 41 |
| 25 - 33 | - | - | 0.2 | 0.1 | - | - | - | - | - | - | - | - | 0.2 | 8 |
| 34 - 47 | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | - | - | - | - | * | - | - | * | - | - | * | - | 0.1 | 3 |
| TOTAL % | 0.7 | 7.5 | 45.6 | 31.4 | 9.2 | 2.9 | 0.4 | 0.5 | 0.2 | 0.3 | 0.4 | 0.5 | 0.3 | 100.0 |
| TOTAL N | 22 | 240 | 1463 | 1006 | 296 | 94 | 13 | 16 | 6 | 9 | 14 | 16 | 11 | 3206 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: MAY

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 0.4 | * | * | * | - | - | - | - | - | * | - | - | - | 0.5 | 18 |
| 1 - 3 | | 0.6 | 1.0 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | * | 0.3 | 0.3 | 3.5 | 114 |
| 4 - 6 | | 2.6 | 9.7 | 3.5 | 1.7 | 0.5 | 0.3 | 0.2 | 0.1 | * | 0.1 | 0.2 | 0.4 | 19.3 | 632 |
| 7 - 10 | | 1.4 | 17.1 | 10.2 | 4.0 | 0.9 | 0.3 | 0.2 | - | - | - | 0.1 | 0.3 | 34.5 | 1128 |
| 11 - 15 | | 0.2 | 9.6 | 17.6 | 4.2 | 0.9 | 0.2 | 0.1 | - | - | - | - | - | 32.8 | 1074 |
| 16 - 20 | | - | 0.5 | 5.7 | 1.9 | 0.2 | - | 0.1 | - | - | - | - | - | 8.4 | 276 |
| 21 - 24 | | - | - | 0.5 | 0.1 | * | - | * | - | - | - | - | - | 0.7 | 22 |
| 25 - 33 | | - | - | 0.1 | 0.1 | - | - | - | - | - | - | - | - | 0.2 | 7 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | - | - | - | - | - | * | - | - | - | * | 0.1 | 2 |
| TOTAL % | 0.4 | 4.7 | 38.0 | 38.0 | 12.4 | 2.8 | 0.8 | 0.8 | 0.2 | 0.2 | 0.1 | 0.5 | 1.1 | 100.0 | |
| TOTAL N | 14 | 155 | 1244 | 1243 | 405 | 92 | 27 | 25 | 8 | 6 | 3 | 16 | 35 | 3273 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JUN

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.2 | 0.2 | * | - | * | * | - | - | - | - | - | * | 0.1 | 1.6 | 57 |
| 1 - 3 | | 2.6 | 1.9 | 1.1 | 0.7 | 1.1 | 0.4 | 0.1 | 0.2 | 0.3 | 0.6 | 0.9 | 1.4 | 11.3 | 405 |
| 4 - 6 | | 2.9 | 7.5 | 4.4 | 2.8 | 1.4 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.6 | 1.1 | 23.3 | 834 |
| 7 - 10 | | 0.7 | 13.5 | 10.9 | 5.3 | 1.2 | 0.7 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | - | 33.0 | 1181 |
| 11 - 15 | | - | 7.0 | 13.9 | 2.9 | 0.4 | 0.4 | 0.1 | * | - | - | - | - | 24.7 | 883 |
| 16 - 20 | | - | 0.3 | 4.4 | 0.7 | 0.2 | 0.1 | * | - | - | - | - | - | 5.7 | 204 |
| 21 - 24 | | - | - | 0.3 | * | - | - | - | - | - | - | - | - | 0.3 | 11 |
| 25 - 33 | | - | - | - | * | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | * | * | * | - | * | - | - | - | - | - | - | - | 0.1 | 4 |
| TOTAL % | 1.2 | 6.4 | 30.3 | 35.1 | 12.5 | 4.4 | 2.2 | 1.0 | 0.8 | 0.9 | 1.2 | 1.6 | 2.6 | 100.0 | |
| TOTAL N | 44 | 230 | 1083 | 1255 | 446 | 156 | 78 | 36 | 29 | 31 | 42 | 57 | 93 | 3580 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: JUL

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 2.3 | * | * | 0.1 | * | * | - | 0.1 | * | 0.1 | * | * | 0.1 | 2.7 | 99 |
| 1 - 3 | | 3.7 | 3.7 | 2.4 | 1.8 | 1.2 | 1.0 | 0.5 | 0.7 | 0.6 | 1.3 | 1.3 | 2.2 | 20.6 | 748 |
| 4 - 6 | | 2.8 | 8.0 | 6.6 | 4.5 | 2.5 | 1.0 | 0.7 | 0.4 | 0.8 | 1.0 | 1.3 | 1.5 | 31.2 | 1134 |
| 7 - 10 | | 0.6 | 6.3 | 9.7 | 4.3 | 2.4 | 1.0 | 0.8 | 0.4 | 0.3 | 0.3 | 0.4 | 0.3 | 26.8 | 973 |
| 11 - 15 | | * | 2.1 | 8.8 | 2.9 | 0.4 | 0.2 | 0.4 | 0.1 | * | - | 0.1 | - | 15.1 | 549 |
| 16 - 20 | | - | 0.2 | 1.7 | 0.8 | 0.3 | - | 0.1 | * | - | - | - | - | 3.0 | 109 |
| 21 - 24 | | - | - | 0.1 | 0.1 | 0.1 | - | - | - | - | - | - | - | 0.3 | 10 |
| 25 - 33 | | - | - | - | - | * | - | 0.1 | - | - | - | - | - | 0.1 | 3 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | 0.1 | 0.1 | - | * | - | - | - | - | - | - | 0.2 | 6 |
| TOTAL % | 2.3 | 7.2 | 20.3 | 29.4 | 14.5 | 7.0 | 3.3 | 2.5 | 1.7 | 1.8 | 2.8 | 3.2 | 4.0 | 100.0 | |
| TOTAL N | 84 | 262 | 738 | 1067 | 525 | 253 | 119 | 91 | 63 | 65 | 100 | 117 | 147 | 3631 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: AUG

WIND DIRECTION

| WIND SPEED | CALM | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | TOT % | TOT N |
|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 3.5 | 0.1 | 0.2 | 0.1 | - | 0.1 | 0.1 | - | * | - | 0.1 | 0.1 | 0.1 | 4.3 | 136 |
| 1 - 3 | | 4.1 | 4.0 | 3.0 | 2.1 | 1.5 | 1.3 | 1.2 | 1.3 | 1.6 | 1.9 | 1.4 | 2.8 | 26.3 | 837 |
| 4 - 6 | | 3.3 | 8.0 | 6.2 | 5.0 | 3.8 | 2.7 | 2.4 | 1.8 | 1.7 | 1.0 | 1.0 | 1.4 | 38.1 | 1215 |
| 7 - 10 | | 0.1 | 3.0 | 5.4 | 4.2 | 3.5 | 1.8 | 1.3 | 0.9 | 1.1 | 0.5 | 0.4 | 0.2 | 22.3 | 712 |
| 11 - 15 | | - | 0.5 | 2.4 | 1.3 | 1.3 | 0.6 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | - | 7.6 | 241 |
| 16 - 20 | | * | - | 0.2 | 0.3 | 0.3 | * | 0.1 | 0.1 | 0.1 | - | - | - | 1.2 | 37 |
| 21 - 24 | | * | - | * | - | 0.1 | * | - | - | - | - | - | - | 0.2 | 6 |
| 25 - 33 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | * | - | - | * | - | - | - | - | - | - | - | * | 0.1 | 3 |
| TOTAL % | 3.5 | 7.6 | 15.7 | 17.4 | 12.8 | 10.5 | 6.6 | 5.3 | 4.4 | 4.8 | 3.8 | 3.1 | 4.5 | 100.0 | |
| TOTAL N | 112 | 243 | 501 | 554 | 408 | 334 | 210 | 168 | 139 | 154 | 120 | 100 | 144 | | 3187 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: SEP

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.6 | - | - | * | 0.1 | 0.1 | * | - | - | - | * | - | 0.1 | 2.0 | 49 |
| 1 - 3 | | 3.8 | 3.0 | 1.8 | 1.9 | 1.4 | 1.8 | 1.7 | 1.2 | 2.0 | 1.8 | 1.8 | 2.9 | 25.3 | 631 |
| 4 - 6 | | 2.7 | 6.8 | 4.7 | 4.8 | 3.0 | 3.3 | 1.9 | 1.4 | 1.6 | 1.9 | 2.0 | 1.9 | 36.0 | 899 |
| 7 - 10 | | 0.1 | 2.3 | 5.6 | 3.6 | 3.1 | 2.4 | 2.0 | 0.6 | 1.4 | 0.9 | 1.3 | 0.5 | 23.7 | 593 |
| 11 - 15 | | - | 0.2 | 1.6 | 2.8 | 1.3 | 0.6 | 1.0 | 0.9 | 0.4 | 0.2 | 0.4 | * | 9.5 | 237 |
| 16 - 20 | | - | - | 0.1 | 1.2 | 0.8 | 0.3 | 0.4 | 0.2 | 0.1 | - | 0.1 | - | 3.2 | 80 |
| 21 - 24 | | - | - | * | - | * | * | 0.2 | - | - | - | - | - | 0.3 | 8 |
| 25 - 33 | | - | - | * | - | - | * | - | - | - | - | - | - | 0.1 | 2 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 1.6 | 6.6 | 12.2 | 13.9 | 14.5 | 9.7 | 8.6 | 7.2 | 4.4 | 5.5 | 4.9 | 5.6 | 5.4 | 100.0 | |
| TOTAL N | 39 | 165 | 304 | 348 | 362 | 243 | 214 | 179 | 109 | 137 | 122 | 141 | 136 | | 2499 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: OCT

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.5 | * | * | * | * | * | 0.1 | - | * | - | * | * | * | 2.0 | 50 |
| 1 - 3 | | 4.9 | 3.5 | 1.6 | 1.9 | 1.1 | 0.8 | 0.6 | 0.9 | 1.0 | 2.2 | 2.5 | 4.2 | 25.3 | 647 |
| 4 - 6 | | 3.4 | 4.1 | 4.1 | 4.7 | 3.0 | 2.0 | 2.6 | 2.3 | 2.3 | 2.9 | 3.2 | 2.7 | 37.4 | 956 |
| 7 - 10 | | 1.1 | 1.4 | 3.5 | 4.2 | 3.1 | 1.8 | 1.1 | 1.7 | 2.5 | 0.9 | 0.8 | 0.1 | 22.3 | 570 |
| 11 - 15 | | - | 0.2 | 1.8 | 2.1 | 1.0 | 1.0 | 0.8 | 1.2 | 1.0 | 0.6 | 0.3 | - | 10.1 | 258 |
| 16 - 20 | | - | * | 0.1 | 0.8 | 0.2 | 0.1 | 0.2 | 0.4 | 0.2 | * | - | - | 2.2 | 55 |
| 21 - 24 | | - | - | 0.1 | 0.1 | - | * | 0.2 | * | - | - | - | - | 0.5 | 14 |
| 25 - 33 | | - | - | - | * | - | * | * | 0.1 | - | - | - | - | 0.2 | 5 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| TOTAL % | 1.5 | 9.4 | 9.4 | 11.4 | 13.9 | 8.5 | 5.8 | 5.6 | 6.7 | 7.0 | 6.8 | 6.9 | 7.1 | 100.0 | |
| TOTAL N | 39 | 241 | 239 | 290 | 355 | 217 | 149 | 142 | 172 | 180 | 174 | 176 | 181 | | 2555 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: NOV

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 4.4 | 0.1 | - | * | * | - | - | - | 0.1 | * | * | - | 0.1 | 4.9 | 119 |
| 1 - 3 | | 2.9 | 2.6 | 2.2 | 1.5 | 0.9 | 1.1 | 0.9 | 1.2 | 1.3 | 1.2 | 2.0 | 2.4 | 20.0 | 490 |
| 4 - 6 | | 2.6 | 5.3 | 5.1 | 5.2 | 2.4 | 1.4 | 0.7 | 1.0 | 1.8 | 1.4 | 2.5 | 1.0 | 30.4 | 744 |
| 7 - 10 | | 0.7 | 5.2 | 6.7 | 5.9 | 3.6 | 2.0 | 0.8 | 0.3 | 1.4 | 1.1 | 1.2 | 0.4 | 29.3 | 719 |
| 11 - 15 | | * | 1.3 | 3.1 | 3.5 | 1.8 | 0.9 | 0.4 | - | 0.4 | 0.2 | 0.2 | - | 11.7 | 287 |
| 16 - 20 | | - | * | 1.0 | 0.9 | 0.7 | 0.2 | 0.3 | 0.1 | - | - | 0.1 | - | 3.3 | 82 |
| 21 - 24 | | - | - | 0.1 | 0.1 | - | - | - | - | - | - | - | - | 0.2 | 6 |
| 25 - 33 | | - | - | - | * | - | - | - | - | - | - | - | - | 0.0 | 1 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | * | * | * | - | - | - | - | - | - | - | - | 0.1 | 3 |
| TOTAL % | 4.4 | 6.2 | 14.4 | 18.2 | 17.3 | 9.4 | 5.5 | 3.1 | 2.8 | 4.9 | 3.9 | 6.0 | 3.9 | 100.0 | |
| TOTAL N | 108 | 152 | 352 | 447 | 423 | 230 | 134 | 76 | 68 | 121 | 96 | 148 | 96 | | 2451 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Month: DEC

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 2.3 | - | - | - | - | - | * | - | - | * | 0.1 | * | * | 2.5 | 75 |
| 1 - 3 | | 2.8 | 2.2 | 1.1 | 0.5 | 1.7 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.3 | 1.3 | 10.9 | 332 |
| 4 - 6 | | 4.8 | 7.2 | 3.4 | 1.1 | 1.5 | 0.3 | 0.2 | * | * | 0.2 | 0.5 | 1.4 | 20.6 | 626 |
| 7 - 10 | | 3.0 | 14.6 | 7.5 | 3.3 | 1.0 | 0.7 | 0.1 | - | 0.1 | 0.1 | 0.2 | 0.3 | 30.7 | 936 |
| 11 - 15 | | 0.2 | 7.8 | 12.3 | 5.4 | 0.9 | 0.3 | * | * | - | - | 0.1 | - | 27.1 | 824 |
| 16 - 20 | | - | 1.1 | 3.6 | 1.3 | 0.3 | 0.1 | * | * | - | - | * | - | 6.4 | 196 |
| 21 - 24 | | - | * | 0.6 | 0.3 | * | - | - | - | - | - | - | - | 1.0 | 29 |
| 25 - 33 | | - | - | 0.1 | 0.4 | * | - | - | - | - | - | - | - | 0.5 | 16 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | * | * | 0.1 | 0.1 | - | - | * | - | * | - | - | 0.3 | 10 |
| TOTAL % | 2.3 | 10.9 | 32.9 | 28.5 | 12.3 | 5.7 | 1.6 | 0.4 | 0.3 | 0.4 | 0.6 | 1.1 | 3.1 | 100.0 | |
| TOTAL N | 69 | 331 | 1002 | 868 | 373 | 173 | 48 | 13 | 8 | 13 | 19 | 34 | 93 | | 3044 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

All Months: Annual

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.8 | * | * | * | * | * | * | * | * | * | * | * | * | 2.1 | 786 |
| 1 - 3 | | 2.2 | 2.0 | 1.2 | 1.3 | 0.9 | 0.5 | 0.4 | 0.4 | 0.6 | 0.7 | 0.8 | 1.4 | 12.6 | 4773 |
| 4 - 6 | | 3.2 | 6.7 | 3.7 | 3.3 | 1.6 | 0.9 | 0.7 | 0.6 | 0.7 | 0.7 | 0.9 | 1.0 | 23.9 | 9069 |
| 7 - 10 | | 2.6 | 13.8 | 6.8 | 4.0 | 1.7 | 0.9 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.2 | 32.1 | 12191 |
| 11 - 15 | | 0.3 | 8.0 | 9.4 | 3.3 | 0.8 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | * | 23.0 | 8737 |
| 16 - 20 | | * | 0.6 | 3.1 | 1.2 | 0.4 | 0.1 | 0.1 | 0.1 | * | * | * | * | 5.6 | 2116 |
| 21 - 24 | | * | * | 0.3 | 0.2 | * | * | * | * | * | - | - | * | 0.6 | 219 |
| 25 - 33 | | - | * | * | 0.1 | * | * | * | * | - | - | * | - | 0.2 | 61 |
| 34 - 47 | | - | * | * | * | * | - | - | - | - | - | - | - | 0.0 | 10 |
| > 48 | | * | * | * | 0.1 | * | * | - | * | * | * | * | * | 0.2 | 61 |
| TOTAL % | 1.8 | 8.4 | 31.1 | 24.6 | 13.4 | 5.5 | 2.8 | 2.0 | 1.6 | 1.9 | 1.8 | 2.2 | 2.7 | 100.0 | |
| TOTAL N | 689 | 3198 | 11827 | 9361 | 5109 | 2095 | 1056 | 768 | 619 | 734 | 702 | 829 | 1036 | | 38023 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: DEC, JAN, FEB (Winter)

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.6 | - | * | - | - | - | * | - | - | * | * | * | * | 1.7 | 165 |
| 1 - 3 | | 1.3 | 0.9 | 0.5 | 1.3 | 0.6 | 0.1 | * | 0.1 | 0.1 | 0.1 | 0.1 | 0.6 | 5.8 | 570 |
| 4 - 6 | | 3.8 | 5.5 | 2.1 | 3.2 | 0.7 | 0.2 | 0.1 | * | 0.1 | 0.1 | 0.2 | 0.7 | 16.7 | 1647 |
| 7 - 10 | | 6.5 | 20.3 | 5.7 | 3.9 | 0.8 | 0.3 | * | * | * | * | 0.1 | 0.2 | 37.9 | 3748 |
| 11 - 15 | | 0.9 | 13.8 | 10.5 | 4.4 | 0.5 | 0.1 | * | * | - | - | * | 0.1 | 30.4 | 3006 |
| 16 - 20 | | * | 1.1 | 3.4 | 1.2 | 0.2 | 0.1 | * | * | - | - | * | 0.1 | 6.1 | 603 |
| 21 - 24 | | * | * | 0.4 | 0.2 | 0.1 | - | - | - | * | - | - | * | 0.7 | 70 |
| 25 - 33 | | - | * | 0.1 | 0.1 | 0.1 | - | - | - | - | - | * | - | 0.3 | 29 |
| 34 - 47 | | - | * | * | * | * | - | - | - | - | - | - | - | 0.1 | 9 |
| > 48 | | * | * | * | 0.1 | 0.1 | * | - | * | - | * | - | * | 0.3 | 30 |
| TOTAL % | 1.6 | 12.5 | 41.6 | 22.6 | 14.6 | 3.1 | 0.9 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 1.7 | 100.0 | |
| TOTAL N | 158 | 1237 | 4113 | 2236 | 1442 | 302 | 89 | 16 | 15 | 21 | 28 | 53 | 167 | | 9877 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: MAR, APR, MAY (Spring)

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 1.0 | * | * | * | - | * | * | - | - | * | - | - | - | 1.1 | 111 |
| 1 - 3 | | 0.8 | 1.0 | 0.4 | 0.7 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 4.3 | 445 |
| 4 - 6 | | 2.9 | 7.6 | 2.3 | 1.5 | 0.7 | 0.2 | 0.1 | 0.1 | * | 0.1 | 0.1 | 0.3 | 16.0 | 1640 |
| 7 - 10 | | 2.6 | 21.8 | 7.1 | 3.1 | 0.8 | 0.2 | 0.1 | * | * | * | * | 0.1 | 36.1 | 3695 |
| 11 - 15 | | 0.2 | 12.6 | 14.5 | 3.6 | 0.9 | 0.1 | 0.1 | - | - | * | * | - | 32.0 | 3276 |
| 16 - 20 | | * | 0.9 | 5.9 | 1.9 | 0.4 | * | 0.1 | - | - | - | - | - | 9.2 | 946 |
| 21 - 24 | | - | - | 0.6 | 0.2 | * | * | * | - | - | - | - | - | 0.9 | 94 |
| 25 - 33 | | - | - | 0.1 | 0.1 | - | - | * | - | - | - | - | - | 0.2 | 20 |
| 34 - 47 | | - | - | * | - | - | - | - | - | - | - | - | - | 0.0 | 1 |
| > 48 | | * | * | - | * | * | - | - | * | * | - | * | * | 0.1 | 15 |
| TOTAL % | 1.0 | 6.5 | 43.9 | 30.9 | 11.2 | 3.5 | 0.6 | 0.6 | 0.2 | 0.2 | 0.2 | 0.4 | 0.7 | 100.0 | |
| TOTAL N | 105 | 668 | 4497 | 3164 | 1148 | 360 | 63 | 60 | 24 | 25 | 20 | 37 | 72 | | 10243 |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: JUN, JUL, AUG (Summer)

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N | |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | | |
| 0 | 2.3 | 0.1 | 0.1 | * | * | * | * | * | * | * | * | * | 0.1 | 0.1 | 2.8 | 292 |
| 1 - 3 | | 3.5 | 3.2 | 2.2 | 1.5 | 1.3 | 0.9 | 0.6 | 0.7 | 0.8 | 1.3 | 1.2 | 2.1 | 19.1 | 1990 | |
| 4 - 6 | | 3.0 | 7.8 | 5.7 | 4.1 | 2.5 | 1.4 | 1.2 | 0.8 | 0.9 | 0.8 | 1.0 | 1.4 | 30.6 | 3183 | |
| 7 - 10 | | 0.5 | 7.8 | 8.8 | 4.6 | 2.3 | 1.1 | 0.7 | 0.5 | 0.5 | 0.3 | 0.3 | 0.1 | 27.6 | 2866 | |
| 11 - 15 | | * | 3.3 | 8.6 | 2.4 | 0.7 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | - | 16.1 | 1673 | |
| 16 - 20 | | * | 0.1 | 2.2 | 0.6 | 0.3 | * | 0.1 | * | * | - | - | - | 3.4 | 350 | |
| 21 - 24 | | * | - | 0.1 | * | 0.1 | * | - | - | - | - | - | - | 0.3 | 27 | |
| 25 - 33 | | - | - | - | * | * | - | * | - | - | - | - | - | 0.0 | 4 | |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 | |
| > 48 | | * | * | * | * | * | * | - | - | - | - | - | * | 0.1 | 13 | |
| TOTAL % | 2.3 | 7.1 | 22.3 | 27.7 | 13.3 | 7.1 | 3.9 | 2.8 | 2.2 | 2.4 | 2.5 | 2.6 | 3.7 | 100.0 | | |
| TOTAL N | 240 | 735 | 2322 | 2876 | 1379 | 743 | 407 | 295 | 231 | 250 | 262 | 274 | 384 | | 10398 | |

(* < 0.05%)

STATION: 91377

3 - PERCENT FREQUENCY OF AVERAGE WIND SPEED(KNOTS) VS AVERAGE WIND DIRECTION(TENS OF DEGREES)

Months: SEP, OCT, NOV (Autumn)

| WIND SPEED | CALM | WIND DIRECTION | | | | | | | | | | | | TOT % | TOT N |
|------------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 35-01 | 02-04 | 05-07 | 08-10 | 11-13 | 14-16 | 17-19 | 20-22 | 23-25 | 26-28 | 29-31 | 32-34 | | |
| 0 | 2.5 | * | * | * | 0.1 | * | * | - | 0.1 | * | * | * | 0.1 | 2.9 | 218 |
| 1 - 3 | | 3.9 | 3.0 | 1.9 | 1.8 | 1.1 | 1.2 | 1.1 | 1.1 | 1.4 | 1.8 | 2.1 | 3.2 | 23.6 | 1768 |
| 4 - 6 | | 2.9 | 5.4 | 4.6 | 4.9 | 2.8 | 2.2 | 1.7 | 1.6 | 1.9 | 2.1 | 2.6 | 1.9 | 34.6 | 2599 |
| 7 - 10 | | 0.6 | 2.9 | 5.2 | 4.6 | 3.3 | 2.1 | 1.3 | 0.9 | 1.8 | 1.0 | 1.1 | 0.3 | 25.1 | 1882 |
| 11 - 15 | | * | 0.5 | 2.2 | 2.8 | 1.4 | 0.8 | 0.7 | 0.7 | 0.6 | 0.3 | 0.3 | * | 10.4 | 782 |
| 16 - 20 | | - | * | 0.4 | 1.0 | 0.6 | 0.2 | 0.3 | 0.3 | 0.1 | * | 0.1 | - | 2.9 | 217 |
| 21 - 24 | | - | - | 0.1 | 0.1 | * | * | 0.1 | * | - | - | - | - | 0.4 | 28 |
| 25 - 33 | | - | - | * | * | - | * | * | * | - | - | - | - | 0.1 | 8 |
| 34 - 47 | | - | - | - | - | - | - | - | - | - | - | - | - | 0.0 | 0 |
| > 48 | | - | * | * | * | - | - | - | - | - | - | - | - | 0.0 | 3 |
| TOTAL % | 2.5 | 7.4 | 11.9 | 14.5 | 15.2 | 9.2 | 6.6 | 5.3 | 4.7 | 5.8 | 5.2 | 6.2 | 5.5 | 100.0 | |
| TOTAL N | 186 | 558 | 895 | 1085 | 1140 | 690 | 497 | 397 | 349 | 438 | 392 | 465 | 413 | | 7505 |

(* < 0.05%)

Summary complete: 09-Sep-2003 10:55:36